



E E N Case Studies

Aerial Work Platforms



Current State
Hydraulic Reservoir

Challenge:

A leading producer of mobile aerial work platforms, including boom and scissor lifts, needed to reduce its direct material costs of hydraulic reservoirs while improving delivery reliability and lead-time.

Solution:

Utilizing the Helical Program, Helgesen helped the customer realize a 19% savings by employing the following techniques:

- ▶ 30% reduction in purchase part components, through applying part standardization techniques within the demand matrix tool-set.
- ▶ 40% reduction in workcenters by implementing the product process simplification tool-set.
- ▶ 68% increase in manufacturing throughput by applying R4 production streets.
- ▶ 60% reduction in workcenter set-up by standardizing material types.